

JAVA.UTIL.TIMEZONE CLASS

http://www.tutorialspoint.com/java/util/java_util_timezone.htm

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Introduction

The **java.util.TimeZone** class represents a time zone offset, and also figures out daylight savings. Following are the important points about TimeZone:

- It takes into consideration various time zone.
- Through the method used under this class a program running in any country, gets a TimeZone object based on that particular country's time zone.

Class declaration

Following is the declaration for **java.util.TimeZone** class:

```
public abstract class TimeZone
    extends Object
    implements Serializable, Cloneable
```

Field

Following are the fields for **java.util.TimeZone** class:

- **static int LONG** -- This is the style specifier for `getDisplayName()` indicating a long name, such as "Pacific Standard Time."
- **static int SHORT** -- This is the style specifier for `getDisplayName()` indicating a short name, such as "Pacific.Standard Time".

Class constructors

S.N.	Constructor & Description
1	TimeZone() This constructor is the single constructor for invocation by subclass constructors

Class methods

S.N.	Method & Description
1	Object clone() This method creates a copy of this TimeZon
2	static String[] getAvailableIDs() This method gets all the available IDs supported.
3	static String[] getAvailableIDs(int rawOffset) This method gets the available IDs according to the given time zone offset in milliseconds.

4	<u>static TimeZone getDefault()</u> This method gets the default TimeZone for this host.
5	<u>String getDisplayName()</u> This method returns a name of this time zone suitable for presentation to the user in the default locale.
6	<u>String getDisplayName(boolean daylight, int style)</u> This method returns a name of this time zone suitable for presentation to the user in the default locale.
7	<u>String getDisplayName(boolean daylight, int style, Locale locale)</u> This method returns a name of this time zone suitable for presentation to the user in the specified locale.
8	<u>String getDisplayName(Locale locale)</u> This method returns a name of this time zone suitable for presentation to the user in the specified locale.
9	<u>int getDSTSavings()</u> This method returns the amount of time to be added to local standard time to get local wall clock time.
10	<u>String getID()</u> This method gets the ID of this time zone
11	<u>abstract int getOffset(int era, int year, int month, int day, int dayOfWeek, int milliseconds)</u> This method gets the time zone offset, for current date, modified in case of daylight savings.
12	<u>int getOffset(long date)</u> This method returns the offset of this time zone from UTC at the specified date.
13	<u>abstract int getRawOffset()</u> This method returns the amount of time in milliseconds to add to UTC to get standard time in this time zone.
14	<u>static TimeZone getTimeZone(String ID)</u> This method gets the TimeZone for the given ID.
15	<u>boolean hasSameRules(TimeZone other)</u> This method returns true if this zone has the same rule and offset as another zone.
16	<u>abstract boolean inDaylightTime(Date date)</u> This method queries if the given date is in daylight savings time in this time zone.
17	<u>static void setDefault(TimeZone zone)</u> This method sets the TimeZone that is returned by the getDefault method.
18	<u>void setID(String ID)</u> This method sets the time zone ID
19	<u>abstract void setRawOffset(int offsetMillis)</u> This method sets the base time zone offset to GMT.
20	<u>abstract boolean useDaylightTime()</u> This method queries if this time zone uses daylight savings time.

Methods inherited

This class inherits methods from the following classes:

- `java.util.Object`